

[DIRECTION AND DISTANCE FINDER]

Abstract

The present invention relates to a system and method for locating the direction and distance to a RF signal source, primarily for search and rescue. The system and method includes a RF signal locator and a graphical display residing on the signal locator. The receiver graphical display provides the user with an initial way point reading that includes directional and distance data associated with the beacon RF signal source. The directional and distance data is based upon the received RF signals. A processor within the locator receiver receives and measures RF signals emitted by the RF signal source. The locator advantageously provides continuous subsequent way point readings for the user, where the subsequent way point readings include directional and distance data associated with the RF signal source. The distance data provided by the subsequent way point readings is based upon a path loss slope of the received RF signals.